Benefit Design-Aligning Incentives to Engage the Patient and Lower Total Healthcare Costs

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Americans with chronic disease 133 million in 2005



Percent having one or more chronic diseases:

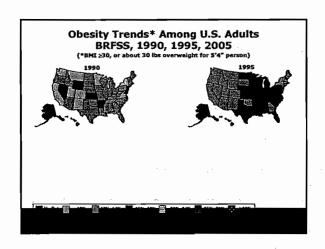
- 69% elderly
- 50% middle aged
- 25%+ young adult

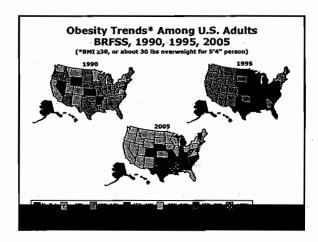
Cost of chronic disease to America

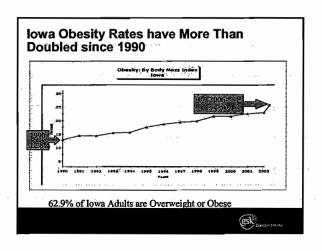


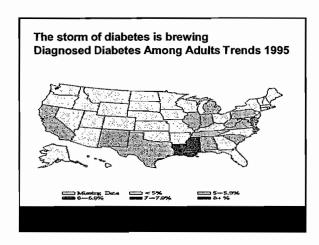
Total US healthcare spend in 2005 = \$2.0 trillion

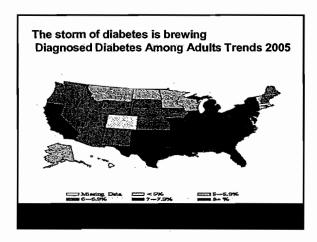
...or \$6,697 per person

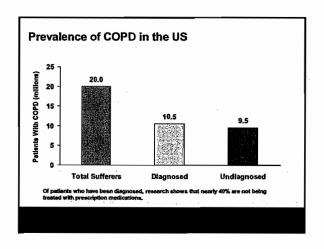


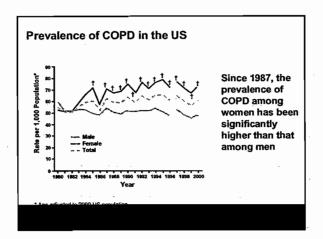






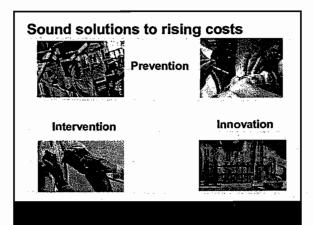






Chronic Obstructive Airway Disease-Preventable and Treatable, but deadly

- 346 deaths per day from COPD
- 203 deaths per day from diabetes
- 115 deaths per day from breast cancer



Sound solutions under way ...

• Iowa

- Health Education must be taught at each grade level in elementary and middle school to receive accreditation¹
- The lowa Youth Tobacco Survey found that the percent of high school students who use tobacco has decreased from 39% in 2000 to 34% in 2002. 2
- Over 7,000 lowa teens have become members of the youth anti-tobacco movement "Just Eliminate Lies" (JEL) since its creation in 2000. 2

World Health Organization 1

"Adherence to long-term therapy for Chronic Diseases in Developed Countries averages 50%"

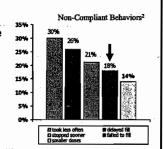
"The Consequences of poor adherence to long-term therapies are poor health outcomes and increased health care costs"



HealthCare Landscape

65.7% of physician office visits generate a prescription medicine, with multiple drugs prescribed 39.5% of the time¹

But what happens to those prescriptions?

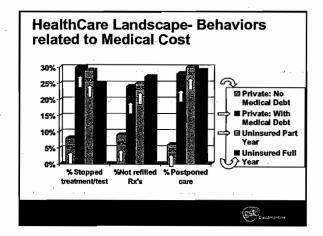




Why Didn't They Take Their Medication?

- 10% difficulties in getting the prescription filled
- 14% decided they didn't need the drug
- 17% medication was too costly
- 20% undesirable or debilitating side effects
- 24% forgetfulness





Cost Sharing Is Increasing- The "Medically Underinsured"

- 1 in 6 or >17.6 million non-elderly privately insured individuals had substantial trouble paying their medical debt in 20031
 - Mostly middle class full time workers
 - Almost twice as likely to have a serious medical problem as those that do not have problems paying their medical bills (38% vs. 21%)
 - Twice as likely to report their health status as fair or poor
- Almost as many in this category as those without health insurance for a full year- 22.9 million



Unintended Consequences

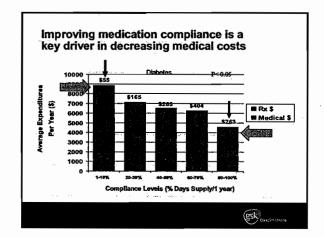
- 47% that postponed care stated that it caused a significant loss of time at work or other important life activities
- 53% said the problem caused a significant temporary disability that resulted in significant pain or suffering
- 1 in 6 (17%) said the unmet need resulted in a long-term disability



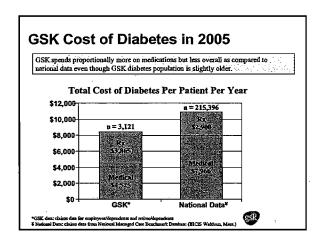
Medication Adherence and Total Health Costs

- Caremark™¹
 - Compliance and Persistency research in 19 chronic conditions-
 - Result- IN ALL 19 CONDITIONS STUDIED-
 - Plan participants with lower adherence scores had HIGHER TOTAL HEALTH CARE COSTS
- Medco™²
 - Diabetes study- Adherence and Total Health Costs
 - Result-
 - Plan participants with lower adherence had HIGHER TOTAL HEALTH CARE COSTS









Health Plans and Employers-Changing the Paradigm

- Polk County School Board, FL1 (2002-present)
 - 11,000 employees, nearly 18,000 covered lives, largest employer in the county
 - Self-funded, uses BCBS of FI as their medical ASO
 - Identified diabetes as a primary driver in escalating medical costs
 - Partnered with providers, pharmacists, and the PBM with the leadership of a dedicated Wellness Team



Health Plans and Employers-Changing the Paradigm

- Polk County School Board, FL¹ (2002-present)
 - Initiated a comprehensive Diabetes Disease Management Program
 - participants must keep required appointments
 - · required medical and dietary education and self-monitoring
 - Incentives for participation included a 50% reduction in established co-pays for diabetic medications and waived fees for selected interventions/visits.

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Health plans and employers Changing the paradigm

- Baptist Health South, FL
 - Emphasizes fitness, good diet, weight management, screenings and smoking cessation for 11,000 employees
 - Healthy, balanced "advantage meals" offered each day for \$3 in employee cafeteria
 - Some chronic disease medications available for a \$5 co-pay from internal pharmacy - projected to dispense 20,000 scripts this year

Wellness initiatives saved est. \$1.9 million in 2004



Changing the Paradigm

- The Asheville Project- lower costs in exchange for patient engagement and accountability
- Pitney Bowes- making medications affordable to lower the financial barriers and increase adherence

The Result- Healthier Employees, Greater Productivity, and Lower Healthcare Costs - a win-win

